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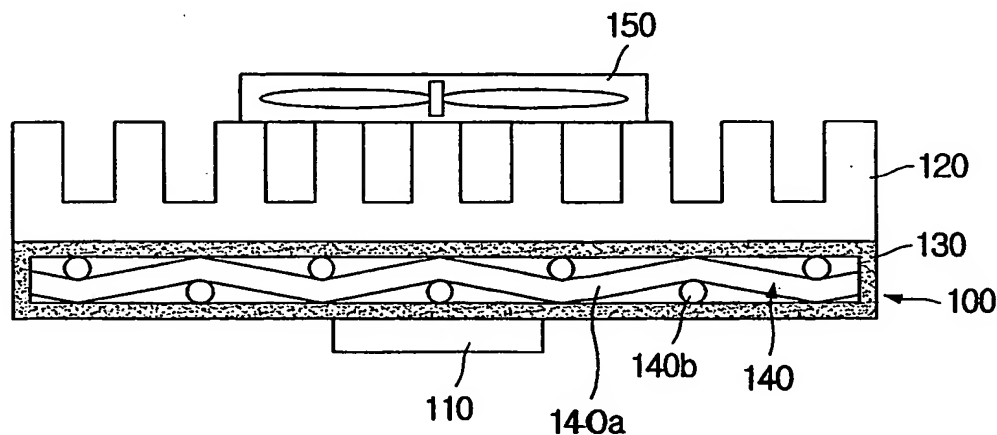
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(54) Title: FLAT PLATE HEAT TRANSFER DEVICE



(57) Abstract: Disclosed is a flat plate heat transfer device, which includes a thermal-conductive flat case installed between a heat source and a heat emitting unit and containing a working fluid which is evaporated with absorbing heat from the heat source and is condensed with emitting heat to the heat emitting unit; and one layer of mesh installed in the flat case and configured so that wires are woven to be alternately crossed up and down. A dispersion channel of a vapor is formed along a surface of the wire from a cross point of the mesh near the heat source, and a flow channel of a liquid is formed by means of a capillary phenomenon along a length direction of the wire from a mesh lattice near the heat emitting unit to a mesh lattice near the heat source.



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